Index of Claims

| App | lica | tion/ | Con | trol | No. |
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|     |      |       |     |      |     |

10/037,666

Examiner

David J. Huisman

Applicant(s)/Patent under Reexamination

VAJAPEYAM ET AL.

Art Unit

2183

Rejected Allowed

(Through numeral) Cancelled

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Restricted

| N | Non-Elected |
|---|-------------|
|   |             |

Interference

**Appeal** Α 0 Objected

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|-------|--|----------|----------|--|--------------|---------------------------|----------|----------|----------|----------|--|--|
| Cla   | aim  |          | Date     |  |              |                           |          |          |          |          |  |  |
| Final | Original   | 5/30/07  |          |  |              |                           |          | •        |          |          |  |  |
|       | 1  | x        | $\vdash$ |  |              |                           |          |          | $\vdash$ |          |  |  |
|       | 1<br>2<br>3<br>4<br>5<br>6<br>7                    | x        |          | Г  |              |                           |          |          |          |          |  |  |
|       | 3  | x        |          |  |              |                           |          |          |          |          |  |  |
|       | 4  | х        |          |  |              |                           |          |          |          |          |  |  |
|       | 5  | х        |          |  |              |                           |          |          |          |          |  |  |
|       | 6  | х        |          |  |              |                           |          |          |          |          |  |  |
|       | 7  | <u> </u> |          |  | _            | _                         |          |          | _        | ·        |  |  |
|       | 8  | x        | _        | _  |              | L                         | <u> </u> |          | <u> </u> |          |  |  |
|       | 9  | x        |          | <u>                                     </u> | _            | <u> </u>                  |          |          | _        | _        |  |  |
|       | 10   | х        | <u> </u> | ļ  | _            |                           | _        | _        |          | _        |  |  |
|       | 11<br>12   | X        |          | <u> </u>                                     | <u> </u>     | $\vdash$                  | <u> </u> | <u> </u> | <u> </u> | $\vdash$ |  |  |
|       | 12   | -        |          | <u> </u>                                     | <u> </u>     | $\vdash$                  | -        | -        | -        | $\vdash$ |  |  |
|       | 13<br>14<br>15<br>16<br>17<br>18                   | X        | -        | ├-   | $\vdash$     | $\vdash$                  | $\vdash$ |          | <u> </u> | $\vdash$ |  |  |
|       | 14   | X        |          | ├—   | _            | $\vdash$                  |          | -        | -        | H        |  |  |
|       | 10   | x        | $\vdash$ | <del> </del>                                 | <u> </u>     | $\vdash$                  |          | -        |          |          |  |  |
|       | 17   | -        | -        | ┝  | _            |                           | -        | _        | <u> </u> | H        |  |  |
|       | 18   | -        | -        | ┝  |              |                           |          |          | $\vdash$ |          |  |  |
|       | 10   | х        | _        | ├  | <del> </del> | $\vdash$                  |          |          | -        | H        |  |  |
|       | 19<br>20   | x        | _        | ┝  | <del> </del> |                           |          | $\vdash$ | -        |          |  |  |
|       | 21   | x        | -        |  | -            |                           |          | $\vdash$ | _        | H        |  |  |
|       | 22   | X        | . –      |  | _            | _                         |          | -        |          | Н        |  |  |
|       | 23   | х        |          | ┢  |              |                           | _        |          | _        | _        |  |  |
|       | 24   | ×        | $\vdash$ |  | $\vdash$     |                           |          |          |          |          |  |  |
|       | 25   | x        |          | Г  |              |                           |          |          |          |          |  |  |
|       | 26   | х        |          | Г  |              |                           |          |          |          |          |  |  |
| ,     | 27   | х        |          |  |              |                           |          |          |          |          |  |  |
|       | 21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29 | х        |          |  |              |                           |          |          | ·        |          |  |  |
|       | 29   | х        |          |  |              |                           |          |          |          |          |  |  |
|       | 30<br>31   | x        |          |  |              |                           |          |          |          |          |  |  |
|       | 31   | х        | <u> </u> | <u> </u>                                     |              |                           |          |          | _        |          |  |  |
|       | 32<br>33   | L.       | <u></u>  | <u> </u>                                     | _            | $ldsymbol{ldsymbol{eta}}$ |          | <u> </u> | ļ        | Ш        |  |  |
|       | 33   | <u> </u> | <u> </u> | <u> </u>                                     | L            | <u> </u>                  | $\vdash$ | <u> </u> |          | Щ        |  |  |
|       | 34   | ×        | <u> </u> | <u> </u>                                     |              | <u> </u>                  | <u> </u> | _        | _        | Н        |  |  |
|       | 35   | 0        | -        | <u> </u>                                     | <u> </u>     | <u> </u>                  | ļ        | <u> </u> | <u> </u> |          |  |  |
|       | 36<br>37   | 0        | -        |  | $\vdash$     | $\vdash$                  | $\vdash$ | $\vdash$ |          | $\vdash$ |  |  |
|       | 30   | $\vdash$ | $\vdash$ | ├  | ⊢            | $\vdash$                  | $\vdash$ | $\vdash$ |          | $\vdash$ |  |  |
|       | 38<br>39   | $\vdash$ | $\vdash$ | ├  | $\vdash$     | $\vdash$                  | $\vdash$ | ┝        | —        | Н        |  |  |
|       | 40   | $\vdash$ | -        | $\vdash$                                     | $\vdash$     | $\vdash$                  |          |          |          | Н        |  |  |
|       | 41   | $\vdash$ | $\vdash$ | <del> </del>                                 | $\vdash$     |                           |          | H        | H.       | H        |  |  |
|       | 42   | _        | $\vdash$ | $\vdash$                                     | _            |                           |          | H        |          | Н        |  |  |
|       | 43   | _        | $\vdash$ | $\vdash$                                     | $\vdash$     |                           | <u> </u> |          |          | Н        |  |  |
|       | 44   | $\Box$   |          | Т  |              | $\vdash$                  |          |          |          |          |  |  |
|       | 45   |          |          |  |              |                           |          |          | Г        |          |  |  |
|       | 46   |          |          |  |              |                           |          |          |          |          |  |  |
|       | 47   |          |          |  |              |                           |          |          |          |          |  |  |
|       | 48   |          |          |  |              |                           |          |          | 匚        | $\Box$   |  |  |
|       | 49   | _        |          | <u> </u>                                     | L            | <b> </b>                  | <u> </u> | _        | <u> </u> | <u> </u> |  |  |
|       | 50   | 1        | 1        | ı  | 1            | 1                         | 1        | 1        |          | ı        |  |  |

| Cla         | aim  | Date     |              |                |              |          |              |          |          |              |  |  |
|-------------|--|----------|--------------|----------------|--------------|----------|--------------|----------|----------|--------------|--|--|
| 1           |  | -        | Г            |                |              |          | Ť            |          |          |              |  |  |
| Final       | Original                                     |          |              |                |              |          |              |          |          |              |  |  |
|             | 51   |          |              |                |              |          |              |          |          |              |  |  |
|             | 52<br>53                                     |          | _            | L              |              |          |              |          | <u></u>  |              |  |  |
| <u> </u>    | 53   |          | _            | _              |              |          |              |          | _        |              |  |  |
|             | 54   |          | _            | <u> </u>       |              | _        | <u> </u>     | _        | <u> </u> |              |  |  |
| <u> </u>    | 54<br>55<br>56                               | _        | H            | -              |              | -        | ├            | _        | _        | ⊢            |  |  |
| -           | 57   | -        |              | -              |              | _        | $\vdash$     | -        | -        | -            |  |  |
|             | 58   | _        |              | $\vdash$       |              |          | $\vdash$     | -        | _        | $\vdash$     |  |  |
|             | 59   |          |              |                |              |          | _            | _        | $\vdash$ |              |  |  |
|             | 60   |          |              |                |              |          |              |          |          |              |  |  |
|             | 61   |          |              |                |              |          |              |          |          |              |  |  |
|             | 62   | _        | <u> </u>     | <u> </u>       |              |          | L.           | _        | <u> </u> |              |  |  |
|             | 63<br>64<br>65                               |          | <u> </u>     | <u> </u>       |              | _        | $\vdash$     | L        | <u> </u> | <u> </u>     |  |  |
|             | 65   | $\vdash$ | $\vdash$     | -              |              | -        | Ë            | -        | ├        | -            |  |  |
| <u> </u>    | 66   |          | $\vdash$     | -              |              |          | -            | _        | $\vdash$ |              |  |  |
| · -         | 66<br>67                                     |          |              | ┢              |              |          |              |          | $\vdash$ |              |  |  |
|             | 68   |          |              | $\vdash$       |              |          | <del> </del> |          | $\vdash$ | <del>-</del> |  |  |
|             | 69   |          |              | _              |              |          | Н            |          |          | -            |  |  |
|             | 69<br>70                                     |          |              |                |              |          |              |          |          |              |  |  |
|             | 71 -   |          |              |                |              |          |              |          |          |              |  |  |
|             | 72   |          |              |                |              |          |              |          | <u> </u> | _            |  |  |
| <u> </u>    | 73   | _        | <u> </u>     | ļ              |              | _        | <u> </u>     | _        |          | _            |  |  |
| <u> </u>    | 75   |          | <u> </u>     | ┝              | _            | _        |              |          | -        | <u> </u>     |  |  |
|             | 72<br>73<br>74<br>75<br>76<br>77<br>78<br>79 | -        |              | $\vdash$       |              |          |              |          |          | -            |  |  |
|             | 77   |          | -            | $\vdash$       |              |          |              | _        |          | ┢            |  |  |
|             | 78   |          | _            | _              |              | _        |              |          |          |              |  |  |
|             | 79   |          |              |                |              |          |              |          |          |              |  |  |
|             | 80   |          |              |                |              |          |              |          |          |              |  |  |
|             | 81   |          | <u> </u>     |                |              |          |              |          | _        | _            |  |  |
|             | 82   | _        | <u> </u>     | ļ              | _            | _        | <u> </u>     | _        | <u> </u> |              |  |  |
| -           | 83<br>84                                     | -        | -            | <u> </u>       |              |          | _            |          | H        | $\vdash$     |  |  |
| -           | 85   | _        | <del> </del> | -              | $\vdash$     | $\vdash$ | _            | _        | $\vdash$ | <del> </del> |  |  |
| -           | 86   | -        | <del> </del> | $\vdash$       | Н            | -        | -            | _        | $\vdash$ | $\vdash$     |  |  |
|             | 87   |          |              | <u> </u>       |              |          |              |          |          |              |  |  |
|             | 88   |          |              |                |              |          |              |          |          |              |  |  |
|             | 89   |          |              |                |              |          |              |          |          | _            |  |  |
|             | 90   |          | <u> </u>     | _              | $oxed{oxed}$ |          |              |          | $\vdash$ | _            |  |  |
|             | 91   | _        | _            |                | -            |          |              |          |          | -            |  |  |
| -           | 92<br>93                                     | _        | ⊢            | _              | -            |          | _            |          | $\vdash$ | _            |  |  |
|             | 94   | -        | $\vdash$     | $\vdash$       | -            |          | -            | _        | $\vdash$ | ┢            |  |  |
|             | 95   |          |              | <del>  -</del> | _            | Т        |              | $\vdash$ |          | $\vdash$     |  |  |
|             | 96   |          |              |                |              |          |              |          |          |              |  |  |
|             | 97   |          |              |                |              |          |              |          |          |              |  |  |
| <u> </u>    | 98   |          | _            | <u> </u>       |              | _        | <u> </u>     | _        | <u> </u> | _            |  |  |
| <del></del> | 99<br>100                                    |          | <del> </del> |                | -            | <u> </u> | -            |          | $\vdash$ | -            |  |  |
|             | טטד  |          | <u> </u>     | L              | L            | L        | L            | L        |          |              |  |  |

| Te   E   E   E   E   E   E   E   E   E  | Cla            | aim     | Date     |               |              |              |          |  |               |          |                 |
|---|----------------|---------|----------|---------------|--------------|--------------|----------|--|---------------|----------|-----------------|
| 101   |                |         |          | Π             |              |              |          | Γ  |               | Γ        | $\Box$          |
| 102   | Final          | Origina |          |               |              |              |          |  |               |          |                 |
| 104<br>105<br>106<br>107<br>108<br>109<br>110<br>111<br>112<br>113<br>114<br>115<br>116<br>117<br>118<br>119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>144<br>145<br>146  |                | 101     |          |               |              |              |          |  |               |          |                 |
| 104<br>105<br>106<br>107<br>108<br>109<br>110<br>111<br>112<br>113<br>114<br>115<br>116<br>117<br>118<br>119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>144<br>145<br>146  |                | 102     |          |               |              | L            |          |  |               |          |                 |
| 104<br>105<br>106<br>107<br>108<br>109<br>110<br>111<br>112<br>113<br>114<br>115<br>116<br>117<br>118<br>119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>144<br>145<br>146  |                | 103     |          | <u> </u>      |              |              | <u> </u> | <u> </u>   |               | <u> </u> | Щ               |
| 108 109   110 111   111 112   113 114   115 116   117 118   119 120   121 122   123 124   125 126   127 128   129 130   131 132   133 134   135 136   137 138   139 140   141 142   143 144   145 146   |                | 104     | _        | _             | _            | <u> </u>     | _        | <u> </u>   | <u> </u>      | _        | Щ               |
| 108 109   110 111   111 112   113 114   115 116   117 118   119 120   121 122   123 124   125 126   127 128   129 130   131 132   133 134   135 136   137 138   139 140   141 142   143 144   145 146   |                | 105     |          | <u> </u>      |              |              |          |  | <u> </u>      | ļ        | <u> </u>        |
| 108 109   110 111   111 112   113 114   115 116   117 118   119 120   121 122   123 124   125 126   127 128   129 130   131 132   133 134   135 136   137 138   139 140   141 142   143 144   145 146   |                | 106     |          |               |              | -            |          |  |               |          | $\vdash$        |
| 116 117   118 119   120 121   122 123   124 125   126 127   128 129   130 131   132 133   133 134   135 136   137 138   139 140   141 142   143 144   145 146   |                | 107     |          | -             | _            | H            | ┢┈       | -  | ┝             | ⊢        |                 |
| 116 117   118 119   120 121   122 123   124 125   126 127   128 129   130 131   132 133   133 134   135 136   137 138   139 140   141 142   143 144   145 146   |                | 109     |          |               |              | -            |          | -  | ┝             | -        | $\vdash$        |
| 116 117   118 119   120 121   122 123   124 125   126 127   128 129   130 131   132 133   133 134   135 136   137 138   139 140   141 142   143 144   145 146   |                | 110     | _        | ┢═            | _            | $\vdash$     | $\vdash$ | $\vdash$   |               | <u> </u> | $\vdash$        |
| 116 117   118 119   120 121   122 123   124 125   126 127   128 129   130 131   132 133   133 134   135 136   137 138   139 140   141 142   143 144   145 146   |                | 111     |          |               |              |              |          |  |               | _        | П               |
| 116 117   118 119   120 121   122 123   124 125   126 127   128 129   130 131   132 133   133 134   135 136   137 138   139 140   141 142   143 144   145 146   |                | 112     |          |               |              |              |          |  |               | $\vdash$ | П               |
| 116 117   118 119   120 121   122 123   124 125   126 127   128 129   130 131   132 133   133 134   135 136   137 138   139 140   141 142   143 144   145 146   |                | 113     |          |               |              |              |          |  |               |          |                 |
| 116 117   118 119   120 121   122 123   124 125   126 127   128 129   130 131   132 133   133 134   135 136   137 138   139 140   141 142   143 144   145 146   |                | 114     |          |               |              |              |          |  |               |          |                 |
| 118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   |                | 115     |          |               | _            | $oxed{oxed}$ | <u> </u> | _  | _             | _        | Щ               |
| 118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   |                | 116     |          | L             | _            |              | <u> </u> | ļ  | <u> </u>      | <u> </u> |                 |
| 122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146   |                | 117     | <u> </u> | <u> </u>      | _            | <u> </u>     | <u> </u> | <u> </u>   | <u> </u>      | _        |                 |
| 122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146   |                | 118     |          | ├-            | _            |              |          | -  | ┝             |          | -               |
| 122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146   |                | 119     | _        | ┝             | ┝            | ⊢            | -        | -  | ┝             |          | Н               |
| 122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146   |                | 120     | _        | ├             |              | -            | ├—       | ┝  | H             | -        |                 |
| 132   133   134   135   136   137   138   139   140   141   142   143   144   145   146 | <del>  .</del> | 122     |          | ┝             | _            | -            |          | -  | <del> -</del> | ┢        | Н               |
| 132   133   134   135   136   137   138   139   140   141   142   143   144   145   146 |                | 123     | $\vdash$ | -             | <del> </del> | -            | -        | -  | -             | -        | $\vdash$        |
| 132   133   134   135   136   137   138   139   140   141   142   143   144   145   146 |                | 124     |          | 一             | 一            | $\vdash$     | _        | $\vdash$   | $\vdash$      | $\vdash$ | $\dashv$        |
| 132   133   134   135   136   137   138   139   140   141   142   143   144   145   146 |                | 125     |          | $\vdash$      | Г            | $\vdash$     |          | $\vdash$   |               |          | _               |
| 132   133   134   135   136   137   138   139   140   141   142   143   144   145   146 |                | 126     |          | Г             |              |              |          |  |               |          |                 |
| 132   133   134   135   136   137   138   139   140   141   142   143   144   145   146 |                | 127     |          |               |              |              |          |  |               |          |                 |
| 132   133   134   135   136   137   138   139   140   141   142   143   144   145   146 |                | 128     |          |               |              |              |          |  |               |          |                 |
| 132   133   134   135   136   137   138   139   140   141   142   143   144   145   146 |                | 129     | _        | <u>_</u>      | <u>_</u>     |              |          | <u>.                                    </u>     |               |          | Щ               |
| 132   133   134   135   136   137   138   139   140   141   142   143   144   145   146 |                | 130     | _        | <u> </u>      | <u> </u>     | ļ            | L.       | <b> </b>   | _             |          | Ш               |
| 133   |                | 131     | _        | <u> </u>      | <u> </u>     | _            | _        | _  | _             | -        | Ш               |
| 136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146   |                | 132     | -        | -             | <u> </u>     | <u> </u>     | _        | -  | -             | -        | $\vdash$        |
| 136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146   |                | 134     |          |               | ├            | _            |          | ⊢  |               | H        | $\vdash$        |
| 136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146   |                | 135     |          | <del> </del>  | <del> </del> | ┢            |          | ┝  |               | -        | $\vdash$        |
| 140<br>141<br>142<br>143<br>144<br>145<br>146   |                | 136     | $\vdash$ | ┢             | 一            |              | _        | <del>                                     </del> | <u> </u>      | -        | $\vdash$        |
| 140<br>141<br>142<br>143<br>144<br>145<br>146   |                | 137     |          | Т             | _            | <b></b>      |          | $\vdash$   |               | П        | П               |
| 140<br>141<br>142<br>143<br>144<br>145<br>146   |                | 138     |          | $\overline{}$ | _            |              |          | $\Box$   |               |          |                 |
| 140<br>141<br>142<br>143<br>144<br>145<br>146   |                | 139     |          |               |              |              |          |  |               |          |                 |
| 142<br>143<br>144<br>145<br>146   |                | 140     |          | L             | L            |              |          |  |               |          |                 |
| 143<br>144<br>145<br>146  |                | 141     |          | _             | L_           | _            |          |  | _             | <u> </u> |                 |
| 144<br>145<br>146   |                | 142     |          | _             | <u> </u>     | <u> </u>     |          |  | <u> </u>      | _        | -               |
| 145<br>146  |                |         | _        | $\vdash$      | $\vdash$     | ⊢            | $\vdash$ | <u> </u>   | _             |          | Ш               |
| 146   |                |         |          |               | <u> </u>     | -            | <u> </u> | -  | $\vdash$      | -        | $\vdash \vdash$ |
|   |                | 145     | _        | -             | <del> </del> | ├            | —        | $\vdash$   | -             | ┝        | $\vdash \vdash$ |
| 147   | -              | 147     |          | _             | ┢─           |              |          | $\vdash$   |               | -        | $\vdash$        |
| 148   |                | 148     |          | Т             | 一            | $\vdash$     | $\vdash$ | -  |               |          | $\vdash \vdash$ |
| 149   |                | 149     |          |               |              |              |          |  |               |          |                 |
| 150   |                | 150     |          |               | 匚            |              |          |  |               |          |                 |